

Massachusetts Avenue/ Pleasant Street/ Mystic Street: Improving Mobility

Community Meeting

January 10, 2012



Howard/Stein-Hudson Associates, Inc.

CREATIVE SOLUTIONS • EFFECTIVE PARTNERING ®



Project Area





Goals and Objectives

- Improve pedestrian safety
- Improve bicycle safety and mobility
- Improve automobile mobility

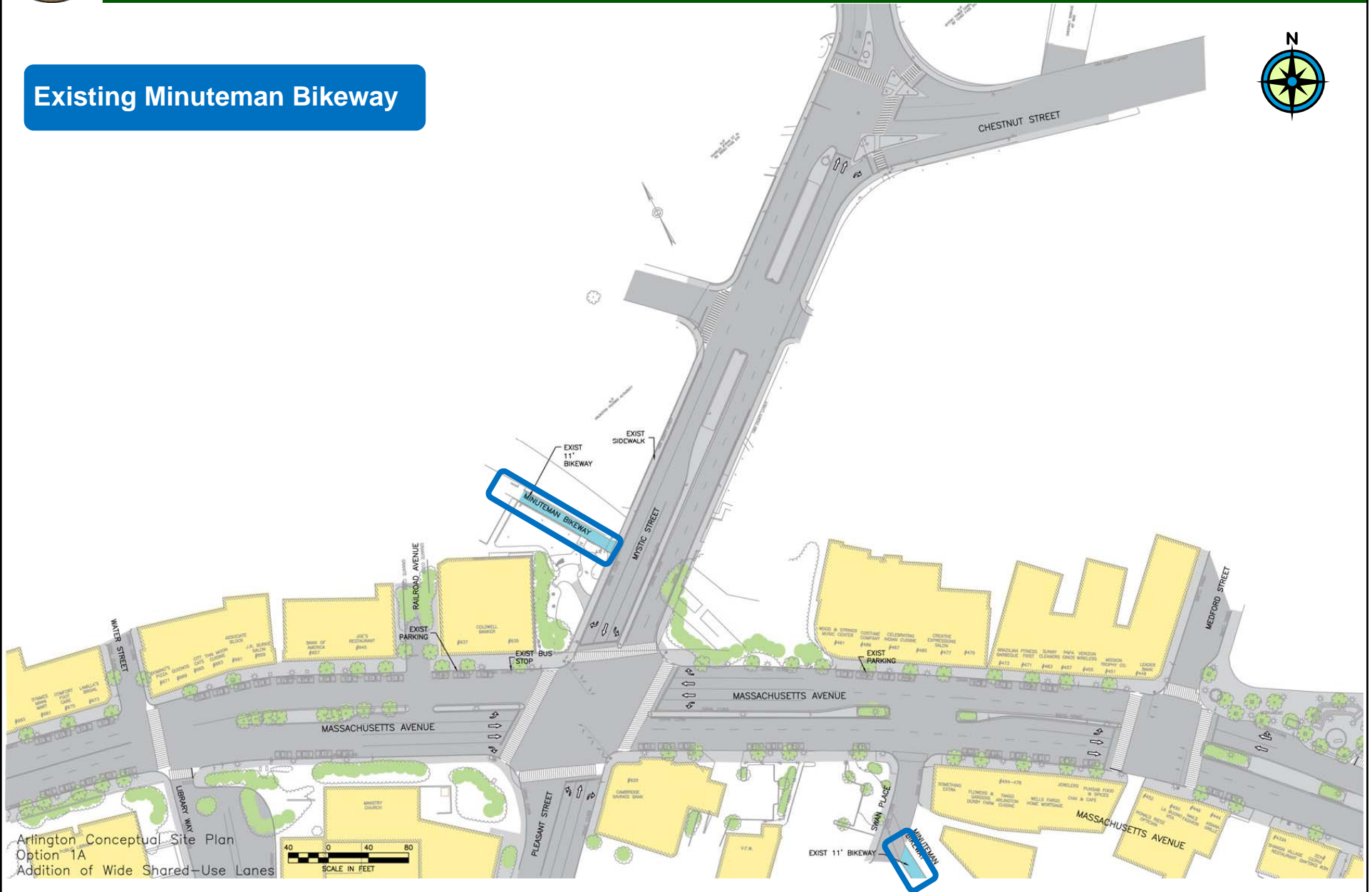


January 10, 2012



Existing Conditions

Existing Minuteman Bikeway



Arlington Conceptual Site Plan
Option 1A
Addition of Wide Shared-Use Lanes



Common Concepts in All Options

2-way path extension along Uncle Sam Park

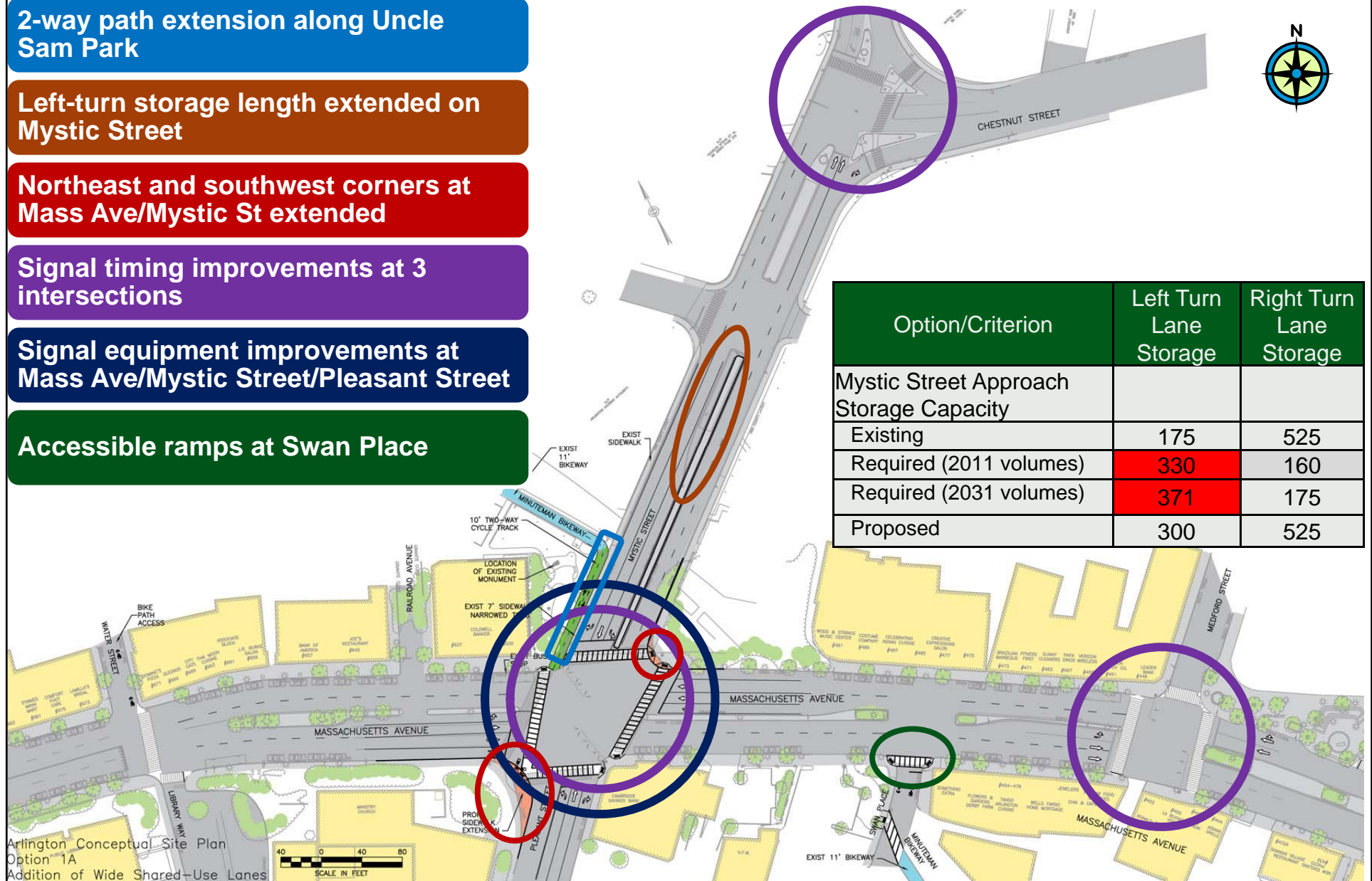
Left-turn storage length extended on Mystic Street

Northeast and southwest corners at Mass Ave/Mystic St extended

Signal timing improvements at 3 intersections

Signal equipment improvements at Mass Ave/Mystic Street/Pleasant Street

Accessible ramps at Swan Place



Option/Criterion	Left Turn Lane Storage	Right Turn Lane Storage
Mystic Street Approach Storage Capacity		
Existing	175	525
Required (2011 volumes)	330	160
Required (2031 volumes)	371	175
Proposed	300	525



View of Minuteman Extension at Mystic Street



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Benefits - Proposed Conditions

■ Pedestrians

- Shorter crossing distances and times
- Fewer conflicts with cyclists on sidewalk on Mystic Street
- New accessible ramps at all corners

■ Vehicles

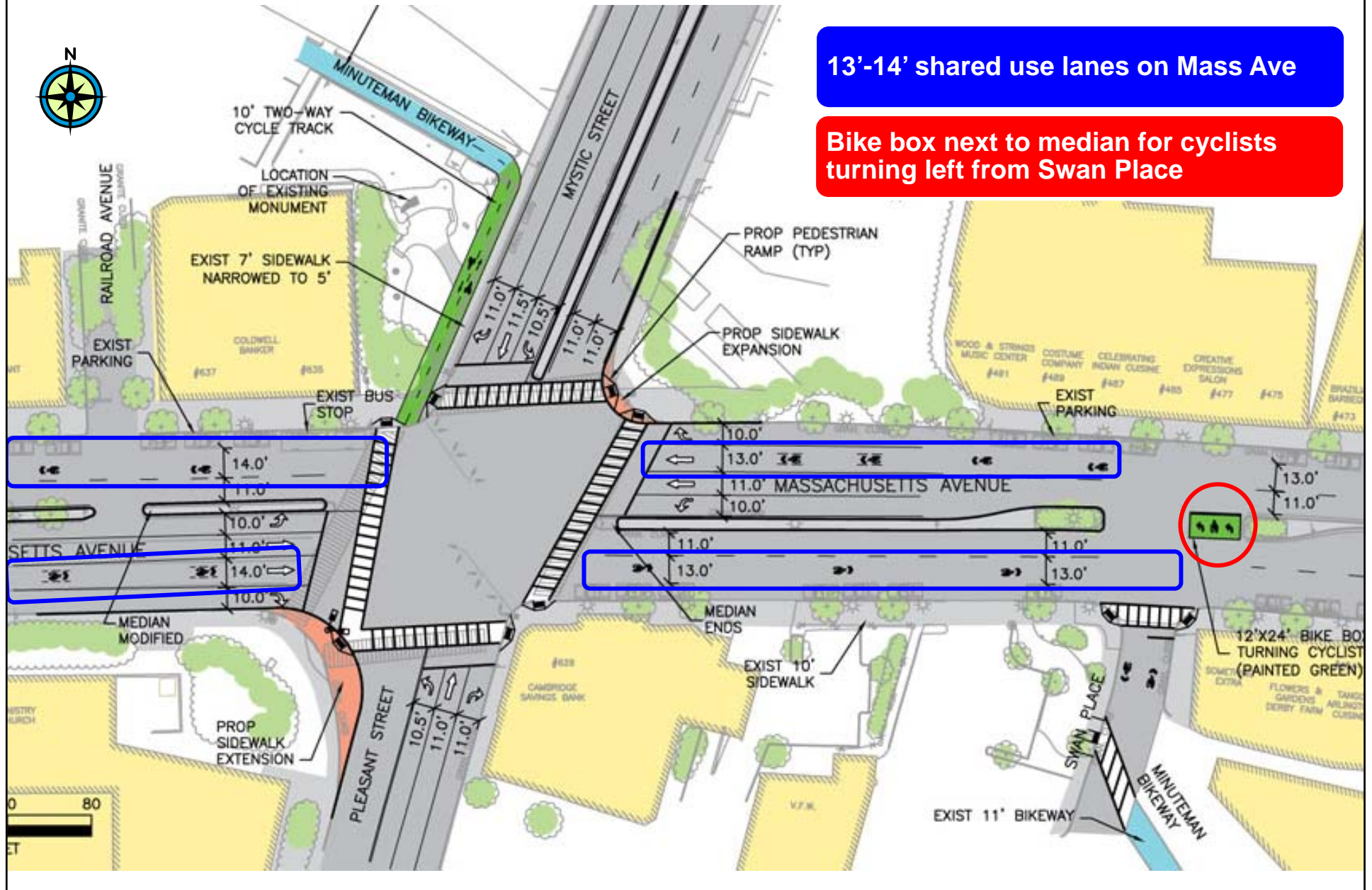
- Less delay through coordinated signal timing
- Extended queuing space for Mystic Street left-turn

■ Bicycles

- Fewer conflicts with pedestrians on Mystic Street sidewalks

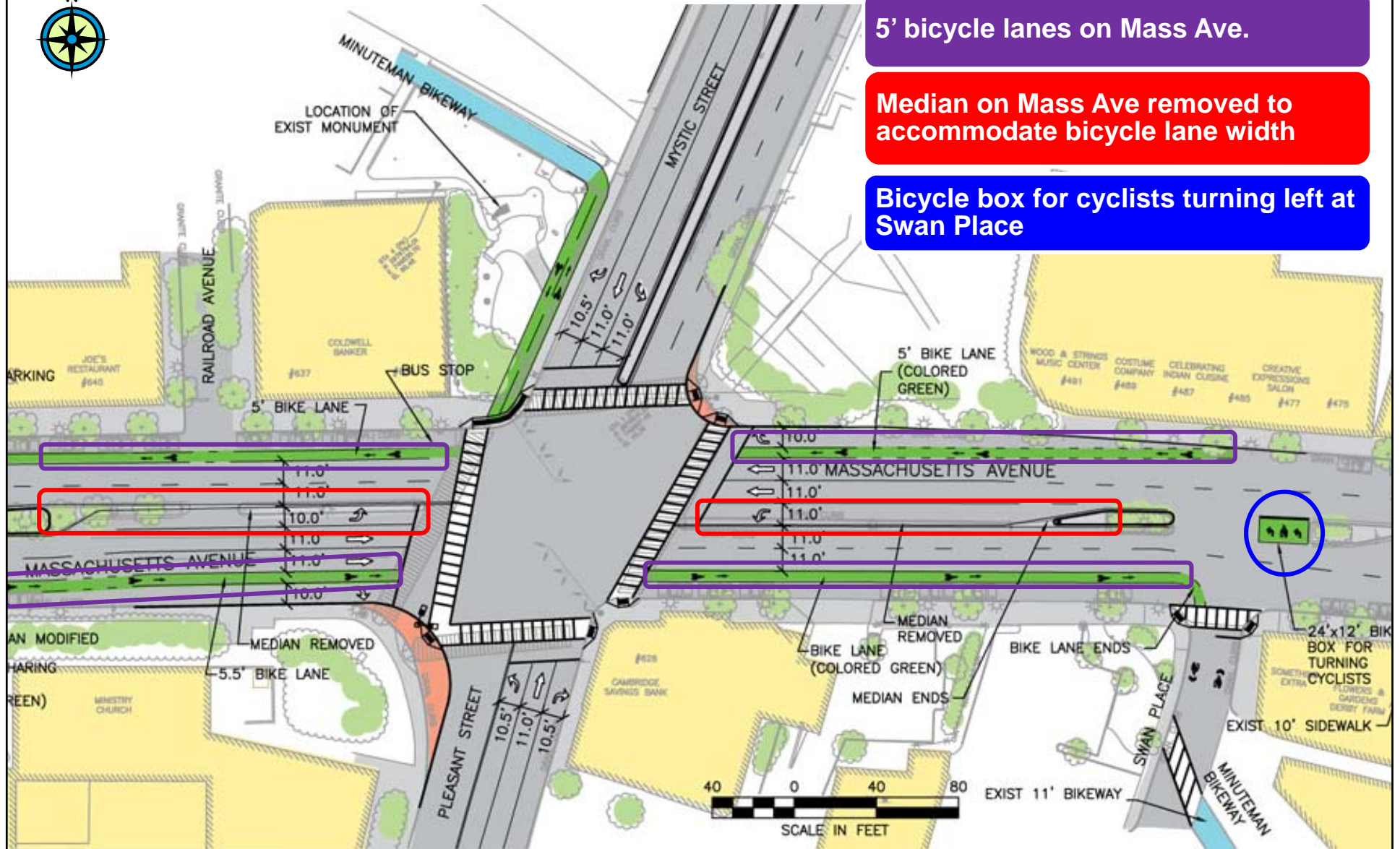


Option 1 — Shared Lanes





Option 2 — Bicycle Lanes



5' bicycle lanes on Mass Ave.

Median on Mass Ave removed to accommodate bicycle lane width

Bicycle box for cyclists turning left at Swan Place



Option 2 – Photo Simulation



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Option 2 – Street View Simulation

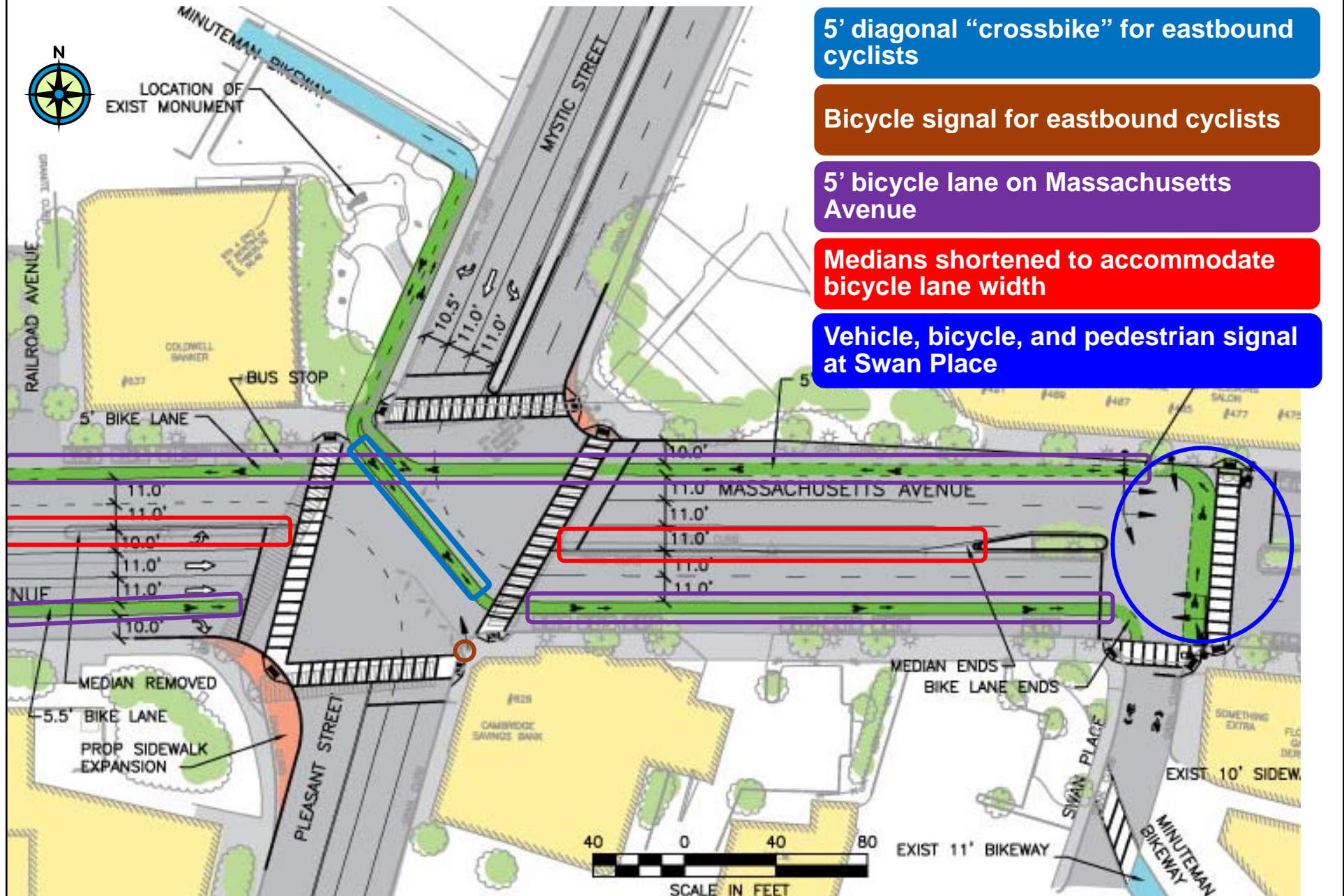


On Massachusetts Avenue looking west

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Option 3—One-way Crossbike with Signal at Swan Place





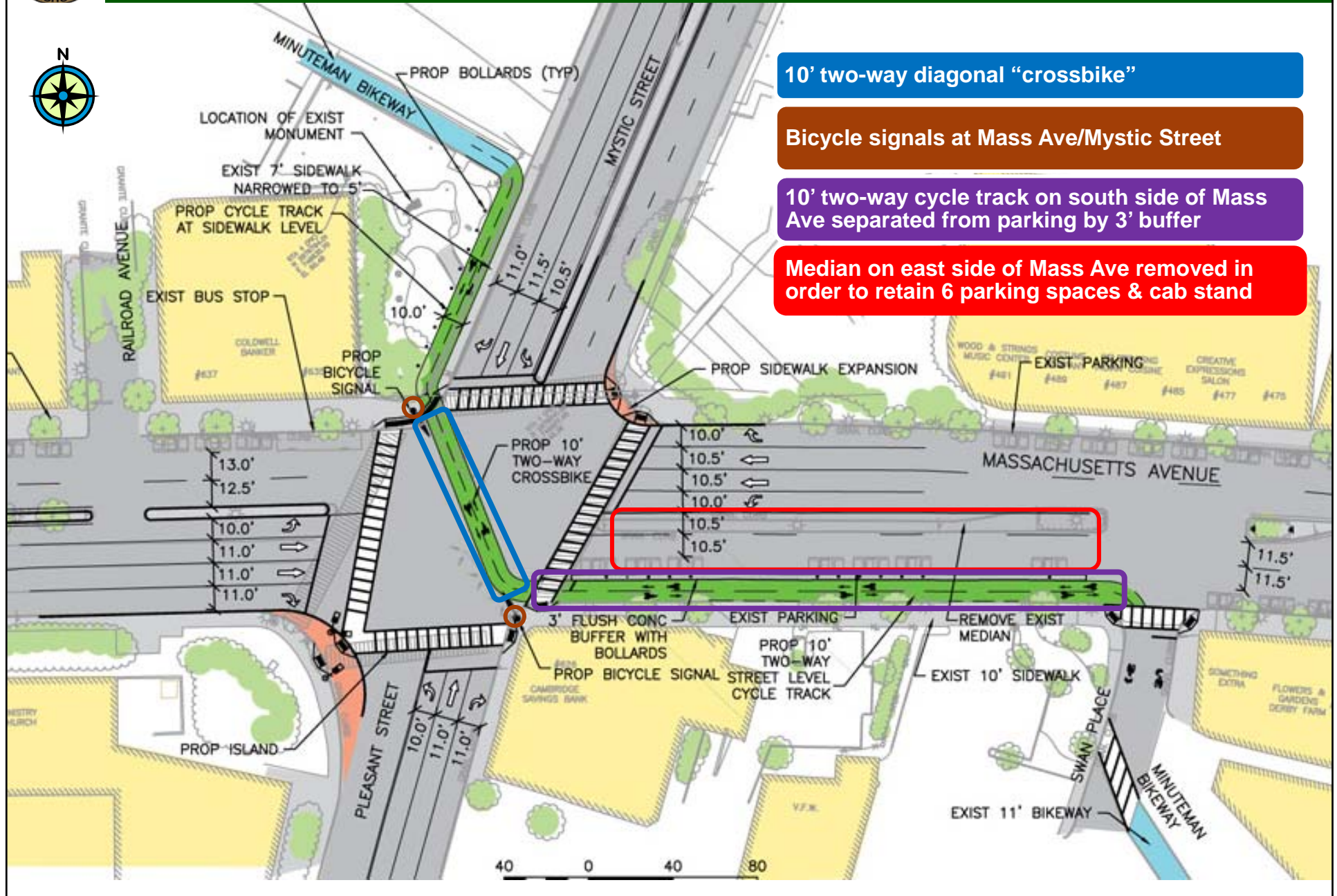
Option 3 – Photo Simulation



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Option 4—Two-way Crossbike with Parking





Option 4 – Photo Simulation



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Option 4 – Street View Simulation



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Option 5 – Photo Simulation



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Option 5 – Street View Simulation



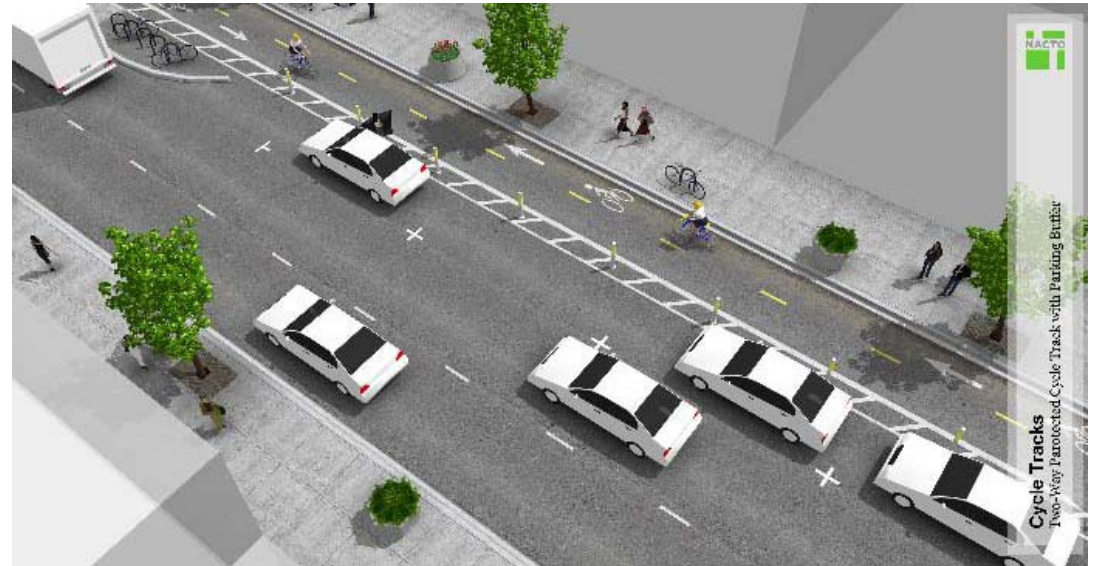
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Examples of Bicycle Accommodations



Bicycle Signal,
Washington, D.C.



Street Level Two-way Cycle Track Concept

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Questions/Comments

